

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

The NJMS Smart Initiative

Type of Partnership: Precollege Program

Year Began: 1995

Higher Education Partner: UMDNJ - New Jersey Medical School

Participants Served: 150

CONTACT INFORMATION

Carmen McLaughlin, Assistant Director

UMDNJ - New Jersey Medical School

185 South Orange Avenue, MSB, A-550, Newark, NJ 07103

Telephone: (973) 972-5245

Email: guzmancl@umdnj.edu

Partners: Newark School District

DESCRIPTION

Hispanic Center of Excellence Gifted and Talented Elementary School Program - This is a weekend academy for Gifted and Talented Hispanic youth who have expressed an interest in science. The program, jointly sponsored with the FOCUS Hispanic Community Development Center I Newark, is offered for 20 Saturdays for students in grades 3-8. Hispanic Center of Excellence Summer Youth Program - The program's goal is to support the interest of Hispanic high school students in science and biomedical careers through exposure to clinical medicine. Academic enrichment includes leadership workshops, SAT preparation, interviewing techniques, and anatomy instruction.

Hispanic Center of Excellence InFoMed Program (Pre-college and undergraduate component)- This program complements existing NJMS summer academic enrichment programs by offering academic year, monthly workshops for Hispanic high school and undergraduate/graduate level students interested in entering a health profession, including medicine. Under this program, individual counseling is also provided.

Future American Scientist*Secondary/Teachers (FAS*S/T) Program - The program's goal is to expose 9th or 10th grade students to dissections, optical illusion, biomedical techniques, ethno mathematics, computer-interactive anatomy studies, career counseling, and skills development. This program is conducted every summer at Rutgers University, Newark Campus.

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

The NJMS Smart Initiative - Science, Math, and Related Topics

Type of Partnership: Precollege Program

Year Began: 1995

Higher Education Partner: UMDNJ - New Jersey Medical School

Participants Served: 150

CONTACT INFORMATION

Kathy Ann Duncan, M.D., Clinical Assistant Professor

UMDNJ - New Jersey Medical School

185 S. Orange Ave., Newark, NJ 07103

Telephone: (973) 972-5245

Email: duncanks@umdnj.edu

Web Site: <http://www.umdnj.edu/smartweb>

Partners: Newark, East Orange, Irvington School Districts

DESCRIPTION

The mission of the SMART Program is to increase the awareness and interest of traditionally underrepresented minorities in science and health-related careers. The program offers students a chance to practice and develop "high order" thinking skills and the domain-independent competencies necessary for academic and workplace success. The program, designed for students grades 8th through 12th, is a set of precollege activities, including leadership training, problem solving, math and computer classes, college tours, and oral and written presentations. The students spend their time not only learning but having fun.

NJMS SMART Initiatives include:

BIOTREK: The Way to Go! - A program that explores human biology. Sample topics: body systems, muscles and bones, physics of motion, respiration, and injury prevention. Math, computers, and lots of field trips are also included. Applicants must currently be in 7th grade.

Fantastic Voyage - A program of scientific discovery. Sample topics: flight, sound, circulatory system, growth rates, ratios and proportions, tables and graphs. Math, computers, and lots of field trips are also included. Applicants must currently be in 8th grade.

EnviroQUEST - Explore connections between health, science, and environment. Emphasis on laboratory and research skills. Sample topics: bacteria, water, lead, poisons, radioactivity. Lots of field trips are also included. Applicants must currently be in 9th grade.

Mission: Health - Learn what becoming a health professional involves. Emphasis on community service and case-based learning where students work in small groups with medical students from UMDNJ to discuss health-related topics. Applicants must currently be in 10th grade.

Biomedical & Health/AP Sciences Research Apprenticeships - Participants work with professionals in classroom, clinical and/or research settings. AP science courses, SAT prep, college tours, college counseling, and lectures by health professionals are also offered. Applicants must currently be in 11th grade.

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

Science Enrichment Program

Type of Partnership: Precollege Program

Year Began: 1997

Higher Education Partner: UMNDJ-Robert Wood Johnson Medical School

Participants Served: 30

CONTACT INFORMATION

Janice M. Johnson, M.D., Assistant Dean

UMNDJ-Robert Wood Johnson Medical School

675 Hoes lane, C-222, Piscataway, NJ 08854

Telephone: (732) 235-2144

Fax: (732) 235-2121

Partners: New Brunswick, Perth Amboy, Plainfield, Trenton and Elizabeth School Districts

DESCRIPTION

The SEP is an intensive 6-week summer program initiated in 1997, which offers a curriculum including academic courses, career information, and counseling. The academic courses include college biology lecture and laboratory, SAT math and verbal review, expository writing, academic computing, and cognitive skills sessions to enhance reading, writing, studying, and test-taking skills. The combination of courses is designed to expand participants' academic abilities and help with the transition to college. Eligibility is based on the Health Career Opportunity Program (HCOP) grants criteria for "educationally and economically disadvantaged students." All eligible students will be reviewed by the SEP admission committee.

Hispanic Center of Excellence Summer Youth Program

Type of Partnership: Precollege Program

Year Began: 1981

Higher Education Partner: University of Medicine and Dentistry of New Jersey

Participants Served: 25

CONTACT INFORMATION

Maria L. Soto-Greene, M.D., Senior Associate Dean for Education

University of Medicine and Dentistry of New Jersey

185 South Orange Avenue, MSB, C696, Newark, NJ 07103-2714

Telephone: (973) 972-3762

Fax: (973) 972-3768

Email: sotogrml@umdnj.edu

Partners: variety of high schools in the area

DESCRIPTION

The Hispanic Center of Excellence Summer Youth Program is a six-week federally funded program that begins in June and ends in August. This program is for students who have completed the 10th- or 11th-grade and are interested in science. During this period, students are exposed to the practice of medicine, SAT preparation, CPR certification, anatomy instruction, participation in a research project, and visits to colleges. Career counseling and skills development are also provided for program participants to ensure academic success.

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

Marion Thomas Charter School and UMDNJ-SN Health Education Project for Students, Teachers and Families

Type of Partnership: Curriculum Development

Year Began: 1999

Higher Education Partner: University of Medicine and Dentistry of New Jersey

Participants Served: 300 students and 15 teachers

CONTACT INFORMATION

Delores Thompson, Chief School Administrator/Executive Director

Marion P. Thomas Charter School

17 Muhammad Ali Avenue, Newark, NJ 07108

Telephone: 973.621.0060

Fax: 973.621.0061

Partners: Marion P. Thomas Charter School, UMDNJ-School of Nursing

DESCRIPTION

The UMDNJ School of Nursing has partnered with the Marion P. Thomas Charter School since its conception, developing and implementing health care curriculum that meets the unique needs within this urban environment. As the school expands to the 7th grade, we are expecting the health care curriculum to deal with many complicated issues of pre-adolescence. Our RN/BSN students focus on professional development, staff health promotion, and increasing parent leadership in school as well. In addition, our students support and supplement the role of the school nurse as part of their clinical experience.

Pre-Medical Honors

Type of Partnership: Build Interest in a Specific Discipline - Health Careers & Professions

Year Began: 2001

Higher Education Partner: University of Medicine and Dentistry of New Jersey

Participants Served: 250

CONTACT INFORMATION

Jacob Jay Lindenthal, PhD, DrPH, Director

UMDNJ-New Jersey Medical School

185 South Orange Avenue, Newark, NJ 07101

Telephone: 973.972.1269

Fax: 973.972.6427

Email: lindenth@umdnj.edu

Web Site: <http://njms.umdj.edu/premedhonpro>

Partners: UMDNJ-New Jersey Medical School and several school districts in NJ

DESCRIPTION

The Pre-Medical Honors program is an effort by UMDNJ-NJMS to identify and encourage the most qualified high school students in New Jersey to consider careers in medicine and the health sciences. Our mission is to encourage them to apply to our own outstanding programs. To date, almost 1300 high school students have graduated from this program. About 40 percent of the student body derives from inner city high schools in Newark, Jersey City and Paterson. Other students have come from throughout the state, including Princeton, Trenton, Cliffside Park, Montclair and Fort Lee.

Students are exposed to twenty one hour lectures by professors from the UMDNJ-New Jersey Medical School, as well as didactic sessions conducted by faculty members and medical students. Enrollees are invited to participate in a wide-range of activities, including elective courses such as basic life support, cardiopulmonary physiology, medical librarianship, and tours of pathology labs and University Hospital.

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

Urban Scholars Program

Type of Partnership: Precollege Program

Year Began: 1990

Higher Education Partner: University of Medicine and Dentistry of New Jersey

Participants Served: 10-15

CONTACT INFORMATION

Clinton Dozier, Director, Pre-College Programs, UMDNJ-School of Health Related Professions

University of Medicine and Dentistry of New Jersey

Newark, NJ

Telephone: 973.972.9596

Email: dozier@umdnj.edu

Partners: Newark Public Schools, East Orange Public Schools, Irvington Public Schools

DESCRIPTION

The goal of the Urban Scholars Program is to prepare underrepresented minorities for careers in the health professions. The program's objectives are to provide an advanced enrichment experience so that graduating seniors can get a head start on their first year in college, and to expose students to a variety of health care professions. During the summer students take courses in pre-calculus, mathematics, and the art of academic survival. Tutoring, academic advisement and counseling sessions were also provided. Student engaged in research projects with faculty and/or University staff. Field trips are provided and students complete 6 hours of community service.

Decision for Dentistry

Type of Partnership: Build Interest in a Specific Discipline - Health Careers & Professions

Year Began: 2003

Higher Education Partner: University of Medicine and Dentistry of New Jersey - New Jersey Dental School

Participants Served: 45

CONTACT INFORMATION

Jeanette DeCastro, Director, Academic Advisement and Support Programs, UMDNJ-NJDS

University of Medicine and Dentistry of New Jersey - New Jersey Dental School

Newark, NJ

Telephone: 973.972.7816

Email: decastje@umdnj.edu

Partners: Newark Board of Education - all high schools, Police Athletic League

DESCRIPTION

Decision for Dentistry (DFD) was developed in collaboration with school-to-career counselors in Newark high schools. It introduces high school students to career options available in dentistry. The objectives are to: introduce students to the wide range of career options associated with a doctoral degree in dentistry; offer students an informative, hands-on experience to shed light on the dental school experience; assist students in understanding the requirement to enter dental school and what they must do to meet those requirements; and link students with a dental student and/or UMDNJ-NJDS faculty member to serve as mentor.

DFD is a three-phase program offered three times annually, in October, November and December. Fifteen students are recruited from the high schools and invited to participate in three full-day sessions at UMDNJ-NJDS. Activities include, lectures, hands-on activities, meeting with mentors, and attending an admissions symposium.

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

Articulated High School Partnerships - Health Science Careers

Type of Partnership: Build Interest in a Specific Discipline - Health Careers & Professions

Year Began: 1992

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Health Related Professions

Participants Served: 1618

CONTACT INFORMATION

Suzanne D'Anna, Health Science Careers Program Director

Newark, NJ

Telephone: 908.889.2434 or 973.650.9421

Email: dannase@umdnj.edu

Partners: Abraham Clark High School, Atlantic County Vocational Technical School, Bergenfield High School, Bergen County Academy for Medical Science Technology, Bloomfield High School

DESCRIPTION

The mission of the program is to provide School to Careers preparation for multiple health careers through a core curriculum emphasizing science, the human and organizational side of health care, and the opportunity to earn college credit and clinical experience. The program focuses on the concept of the health care team as essential to patient well-being, creating a health workforce that has ethnic and gender diversity, promoting a broadly trained health practitioner who will meet the needs for future health professionals. The goal is to provide students with a strong foundation in science, communication, and the health care system, and enhance quality high school students to successfully matriculate in college. The Health Science Careers program has a broad-based interdisciplinary core curriculum.

Services are provided during the academic year. Services include curriculum and all coursework for a variety of courses including Dynamics of Health Care in Society, Anatomy and Physiology I and II. The program provides professional development for teachers and standardized testing for students.

Community Oriented Primary Care (COPC) Projects

Type of Partnership: Non-Academic Support Services

Year Began: 1998

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

CONTACT INFORMATION

John W. Crosbie, Director of Strategic Planning

University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Newark, NJ

Telephone: 856.566.6241

Email: crosbiwj@umdnj.edu

Partners: University of Medicine and Dentistry of NJ - School of Osteopathic Medicine, Southern New Jersey Area Health Education Centers, Camden School System

DESCRIPTION

All third-year School of Osteopathic Medicine students participate in expanded community service rotations at AHEC sites in Camden. Each year, 16 COPC Teams, each consisting of 10 students, assess health needs and implement projects to help underserved communities, with an emphasis on children. COPC works with Camden public school students and their families. This year, The COPC team from the School of Osteopathic Medicine is addressing obesity in elementary school children and prenatal and baby care for teenage mothers.

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

Job Shadowing Initiative

Type of Partnership: Build Interest in a Specific Discipline - Health Careers & Professions

Year Began: 2003

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Participants Served: 5

CONTACT INFORMATION

John W. Crosbie, Director of Strategic Planning

University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Stratford, NJ

Telephone: 856.566.6241

Email: crosbijw@umdnj.edu

Partners: Garden State AHEC/UMDNJ - SOM, Underwood Memorial Hospital, Woodbury High School, Gloucester County Institutes of Technology

DESCRIPTION

With a focus on getting young students interested in careers in healthcare, Garden AHEC, part of NJAHEC, recently facilitated a two-day hands-on job shadow at Underwood Memorial Hospital (UMH) in Woodbury, NJ. A dozen Woodbury High School students took part in the job shadowing, a collaborative effort between UMH, Gloucester County Institute of Technology (GCIT) in Sewell, NJ, Woodbury High School and Garden AHEC. The shadow was made possible by a New Jersey Department of Education Tech Prep grant.

The job shadowing begins with a pre-session orientation where students pick their shadowing sites and write down their expectations. The students attend a guided tour of the hospital and spend half a day shadowing in departments including: Maternal Child Health, Respiratory Therapy, or Cardiac Catheterization Lab, Pharmacy. They are given a list of guided questions that they use to interview their mentor. This experience takes place during the academic year.

Kids in Health Care Program

Type of Partnership: Build Interest in a Specific Discipline - Health Careers & Professions

Year Began: 1999

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Participants Served: 40+

CONTACT INFORMATION

John W. Crosbie, Director of Strategic Planning

University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Stratford, NJ

Telephone: 856.566.6241

Email: crosbijw@umdnj.edu

Partners: University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine, Charles E. Brimm Medical Arts High School, Camden School System

DESCRIPTION

University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine Family Medicine residents participate in a program for the Charles E. Brimm Medical Arts High School at Our Lady of Lourdes Medical Center in Camden, where they discuss health related issues with high school students, including potential careers in clinical medicine. Throughout school year, provide discussions and mentoring by medical residents for high school students on careers in medicine. This well-received program is being expanded by School of Osteopathic Medicine Family Medicine physicians for Camden's 7th-and 8th-grade students.

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

Medical Assistant Career Program

Type of Partnership: Build Interest in a Specific Discipline - Health Careers & Professions

Year Began: 2001

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Participants Served: 30

CONTACT INFORMATION

John W. Crosbie, Director of Strategic Planning

University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Stratford, NJ

Telephone: 856.566.6241

Email: crosbijw@umdnj.edu

Partners: University of Medicine and Dentistry of NJ - School of Osteopathic Medicine, Camden County Vocational Institute, Harrison Career Institute, Star Technical School

DESCRIPTION

To help students attending Camden County Vocational Institutes pursue a career as a medical assistant. Students are mentored by faculty.

Medical Sciences Academy

Type of Partnership: Build Interest in a Specific Discipline - Science and Mathematics

Year Began: 1989

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Participants Served: 57

CONTACT INFORMATION

John W. Crosbie, Director of Strategic Planning

University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Stratford, NJ

Telephone: 856.566.6241

Email: crosbijw@umdnj.edu

Partners: University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine, All high schools in Camden, Burlington, and Gloucester Counties

DESCRIPTION

University of Medicine and Dentistry of NJ - School of Osteopathic Medicine runs this project for high school honor students from the tri-county area (Burlington-Camden-Gloucester) where 12th grade honor students with interest in math, science or health professions attend a 28-week medical orientation consisting of didactics and clinical experiences. Promote pursuing careers in math, science and health science. The students, who meet weekly for 28 weeks on Tuesdays and Thursdays from 2:00 to 3:30 p.m., participate in lab learning experiences and receive presentations by guest speakers on the medical and health care professions. Every high school in the three counties can send up to two students to participate in the program, which will provide credits that may be transferred to many colleges and universities.

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

National Youth Leadership Forum on Medicine

Type of Partnership: Build Interest in a Specific Discipline - Health Careers & Professions

Year Began: 1999

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Participants Served: 200

CONTACT INFORMATION

John W. Crosbie, Director of Strategic Planning

University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine

Stratford, NJ

Telephone: 856.566.6241

Email: crosbijw@umdnj.edu

Partners: University of Medicine and Dentistry of NJ - School of Osteopathic Medicine, National Youth Leadership Forum

DESCRIPTION

The goal of this program is to expose honor students, grades 10 thru 12, to medical science and to encourage careers in medicine. The faculty volunteers to teach clinical and basic science. Students participate in mini-medical school program lectures.

Annual Evaluation of the National Environmental Health Education Campaign's Teacher Training Program

Type of Partnership: Professional Development for Teachers

Year Began: 1994

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Public Health

Participants Served: 1704

CONTACT INFORMATION

Laura Hemminger, Director, Resouce Center

University of Medicine and Dentistry of NJ - School of Public Health

170 Frelinghuysen Road, EOHSI -Room 236G, Piscataway, NJ 08854

Telephone: 732.445.0351

Email: lehemmin@eohsi.rutgers.edu

Web Site: <http://www.eohsi.rutgers.edu/rc>

Partners: Dow Chemical Company Foundation, Johnson & Johnson, Praxair Foundation, Inc., National Institute of Environmental Health Sciences, School districts: Avenel; Bound Brook; Bridgewater; Clark; East Brunswick; East Orange; Edison; Elizabeth; Flemington; Freehold; Glen Gardner; Haledon; Hamilton; Hazlet; Irvington; Jersey City; Lanoka Harbor; Livingston; Manalapan; Manville;

DESCRIPTION

The annual summer institute helps to enhance environmental health science education in K-12th grade. Hands-on, interactive teacher professional development workshops focus on innovative environmental health sciences curriculum. Approximately 175 teachers attend free summer workshops gaining skills and resources to use environmental health science for learning across disciplines, to enhance their capacity to teach basic science and math concepts and to acquire new methods to address education standards. The workshops may focus on toxicology, water pollution, air pollution or grant writing. Workshops are conducted by health educators and classroom teachers. Sessions may include interactive, scientific and other small group activities, current information from research scientists, curriculum integration discussions and cooperative learning. Teacher training is offered over the summer, with follow-up assessment conducted during the school year.

University of Medicine & Dentistry of NJ

NJ Higher Education Sector: Public Research University

Safe Schools

Type of Partnership: Non-Academic Support Services

Year Began: 1992

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Public Health

Participants Served: 300

CONTACT INFORMATION

Barry Schlegel, EdD, CIH, Assistant Professor

University of Medicine and Dentistry of New Jersey - School of Public Health

170 Frelinghuysen Road, EOHSI - Room 236E, Piscataway, NJ 08854

Telephone: 732.445.0920

Fax: 732.445.0122

Email: schlegba@umdnj.edu

DESCRIPTION

Safe Schools is designed to assist schools in reducing risk to occupational safety and health hazards. Since 1992, Safe Schools has involved a number of outreach components designed to support teachers, administrators, coordinators and those involved in school-to-careers. The Safe Schools Manual consists of a series of checklists that allow schools to self-inspect for health and safety regulations. Updates are made twice each year to reflect changes in regulations and are subsequently mailed to schools. The Safe Schools newsletter is sent to schools twice a year with information and updates. Safe Schools also analyzes records of injury and illness from schools, as well as providing assistance with safety and health issues relevant to school-to-careers. Throughout the year, free training on a variety of health and safety topics is offered to teachers. Teacher training, special consultation, accident report analysis, manual updates and taskforce meetings are coordinated throughout the year.

SUC2ES2 - Students Understanding Critical Connections Between the Environment, Society and Self

Type of Partnership: Curriculum Development

Year Began: 2000

Higher Education Partner: University of Medicine and Dentistry of New Jersey - School of Public Health

Participants Served: 87 adults 1870 students

CONTACT INFORMATION

Laura Hemminger, Director, Resource Center

University of Medicine and Dentistry of New Jersey - School of Public Health

170 Frelinghuysen Road, EOSHI - Room 236G, Piscataway, NJ 08854

Telephone: 732.445.0351

Fax: 732.445.0122

Email: lehemmin@eoysi.rutgers.edu

Web Site: <http://www.eoysi.rutgers.edu/rc>

Partners: Environmental and Occupational Health Sciences Institute, University of Medicine and Dentistry of NJ - School of Public Health, Woodbridge Township School District, NJ State Department of Education, Rutgers Graduate School of Education

DESCRIPTION

SUC2ES2 represents a seven-year partnership between the Woodbridge Township School District, the Environmental and Occupational Health Sciences Institute and the University of Medicine and Dentistry of NJ School of Public Health, in collaboration with the NJ State Department of Education and the Rutgers Graduate School of Education. Curriculum guides are being developed for second, fifth, and seventh-graders in the district that incorporate environmental health themes as methods for improving academic performance. The integrative materials address NJ core curriculum content standards. The award-winning ToxRAPtm (Toxicology, Risk Assessment and Pollution) curriculum serves as the foundation for creating the new guides. ToxRAPtm enables youth to understand basic environmental health sciences concepts and to make informed decisions to reduce their health risks. As of September 2004, the second-grade module has been implemented district-wide; fifth-grade is being implemented in half of the district's elementary schools; and the seventh-grade module is being pilot-tested. Curriculum development, teacher training, and student assessment projects are coordinated throughout the academic year and during the summer.
